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Part of a Letter to one of the Secr. of the R. Society, from the Learned Dr Salomon Reifelius, Chief Physician to the Duke of Wirtemberg; concerning the Siphon Wirtembergicus Stutgardia. 8. Oct. S. V. 1685.

STatim atque vestras 4 Junii datas vidit Serenissimus Princeps meus; in quibus communicas Vestra Experimenta in Siphone Vitreo decem pedum; scire desideras quantum temporis sit duraturus Siphonis fluxus nostri; das consilium pro extrahendis bullulis in Siphone collectis, quæ fluxum possint sufflaminare; speras Serenissimum Ducem passurum, ut & vobis & Orbi toti exponatur artificium Machinæ suæ: Jussit Typis manifestare secretam sui Siphonis structuram, inprimis postquam paulo ante rescivisset Socium aliquem vestrum ex mandato Societatis Regiæ imitatum esse eosdem effectus, & Phænomena sui Siphonis. Quod hisce jam Nundinis præteritis *Francofurtensibus* factum esset, nisi prius voluissem in altitudinem & amplitudinem insignem & satis utilem elevare; quandoquidem à Vidua *Jordani* & alio Oculato Teste audiivi, ipsum ad quinquaginta quatuor pedes in domo sua exaltasse cum fluxu & refluxu, cujus Vestigia ipse observavi, cum altitudinem metirer; quam vero altitudinem transcendere hætenus propter varia impedimenta & negotia nondum fuit concessum.

Ne vero diutius *Serenissimæ Societatis* desiderium frustrarer, aut morarer, fateor excellentissimi Dni. Dris. *Papin* Siphonem ipsissimum esse *Wirtembergicum*, etiam cum recurvatione pedum factum; neque aliud esse mysterium ut Inventor ipse scripsit, in summitate, quam quod per infundibulum debeat impleri, sine qua impletionem non potest transfluere. Quod proxime Typis
amplius

amplius confirmabitur, quia longum nimis esset & tædiosum hic omnia scribere.

Ast ut in præsentī ostendam me hætenus nonnihil laborasse circa Siphonis effectus; ecce inter Experimentandum, hoc quoque mihi occurrit; ut didicerim, quomodo in Vertice vel ad latera possit effluere; quod hætenus multi promissere, vix quisquam effecit; sed quod Principi meo serenissimo ostendi, & promittere audeo; me in quavis possibili Elevatione & transfluxu velle exhaurire aquam in Summitate vel ad latera, in posterum aperiā, quando per plura experimenta tam altitudinis quam continuationis certior redditus fuero.

Quid apud vos hætenus sit tentatum, & quousque sit progressus D^r. *Papin*, expecto à tua liberalitate: Interim per compendii modum vidi *Papiniani* Siphonis figuram & Descriptionem in mense Majo Novellarum Reip. Literariæ *Amsterdami* excusarum, cui gratulor de tam felici imitamine, &c.
